

Nearest Airports

We are looking for the nearest N airports

1. by distance and
2. by average flight time

1. Download and extract the following csv file:
<http://stat-computing.org/dataexpo/2009/2008.csv.bz2>
(The column descriptions are on this page:
<http://stat-computing.org/dataexpo/2009/the-data.html>)
2. Implement the missing method definitions

```
trait NearestAirports {  
  def fromAirport(airport: String, limit: Int = 5): List[String]  
}  
  
class NearestAirportsByDistance(csvFile: String) extends NearestAirports  
{  
  def fromAirport(airport: String, limit: Int = 5): List[String] = ???  
}  
  
class NearestAirportsByAvgFlightTime(csvFile: String)  
  extends NearestAirports  
{  
  def fromAirport(airport: String, limit: Int = 5): List[String] = ???  
}  
  
val calcByDistance = new NearestAirportsByDistance("2008.csv")  
val calcByAvgFlightTime = new NearestAirportsByAvgFlightTime("2008.csv")  
  
println("ATL TOP5 nearest airports")  
println(calcByDistance.fromAirport("ATL"))  
println(calcByAvgFlightTime.fromAirport("ATL"))  
  
println("EWR TOP10 nearest airports")  
println(calcByDistance.fromAirport("EWR", 10))  
println(calcByAvgFlightTime.fromAirport("EWR", 10))
```

If – along the development process – you create any helper program, script, database, test, virtual machine, configuration management script which sets up clusters running on AWS, or spaceships; please do not forget to attach those as well. We are interested in them as much as we are in the end of the result.